

**SAN ELIJO
JOINT POWERS AUTHORITY**

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February 14, 2001

Ms. Lauren Fondahl
U.S. EPA Region 9
Attn: W-5-2
75 Hawthorne St.
San Francisco, CA 94105

Subject: San Elijo Water Reclamation Facility – Part 503.18 Reporting for 2000

Dear Ms. Fondahl:

Please find enclosed the appropriate documentation for compliance with Part 503.18 Reporting requirements.

The San Elijo Water Reclamation Facility (SEWRF) used one method of sludge disposal during the calendar year 2000. A private contractor, Pima Gro Systems, transported the sludge to farm land where it was land applied by said contractor from January 1, 2000 through December 31, 2000.

Sludge production for the calendar year 2000 was 450.8 metric dry tons, which requires minimum quarterly testing as set forth in Part 503.16 – Frequency of Monitoring. Reference Table 1.

The SEWRF sludge for calendar year 2000 was in compliance with Class B pathogen requirements in Part 503.32(b). The sludge was anaerobically digested in compliance with Appendix B to Part 3 – Pathogen Treatment Processes. Reference Table 2.

The SEWRF sludge for calendar year 2000 was in compliance with Part 503.15 – Operational Standards – Pathogens and Vector Reduction. The sludge was anaerobically digested and achieved greater than a 38 percent reduction in the mass of volatile solids as set forth in Part 503.33(b)(1) – Vector Attraction Reduction. Reference Table 3.

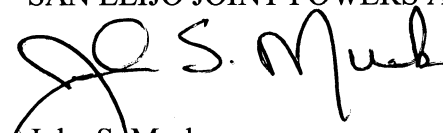
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The sludge produced by the SEWRF for calendar year 2000 was below the pollutant limits for the pollutants tested as set forth in Part 503.13(b)(3). Reference Table 4.

Should you need additional information regarding the above, please contact Ms. Nicki Branch, Laboratory Supervisor, at (760) 753-0352, ext. 33.

Very truly yours,

SAN ELIJO JOINT POWERS AUTHORITY



John S. Murk
JPA Manager

Enclosures

Cc: John Robertus, California RWQCB, w/Encl.
Mike Thornton, San Elijo JPA, w/Encl.
Nicki Branch, San Elijo JPA, w/Encl.

TABLE 1

**SAN ELIJO JOINT POWERS AUTHORITY
SAN ELIJO WATER RECLAMATION FACILITY**

<u>SLUDGE PRODUCTION - 2000</u>				
MONTH	<u>WET WEIGHT</u> <i>(Tons)</i>	<u>% SOLIDS</u> ¹	<u>DRY WEIGHT</u> <i>(Tons) (Metric Tons)</i>	
January	223	18.5	41.3	37.4
February	196	19.0	37.2	33.8
March	222	19.6	43.5	39.5
April	199	18.6	37.0	33.6
May	247	18.5	45.7	41.5
June	203	19.2	39.0	35.4
July	221	19.2	42.4	38.5
August	263	19.9	52.3	47.5
September	176	20.4	35.9	32.6
October	220	19.9	43.8	39.7
November	221	18.9	41.8	37.9
December	196	18.8	36.8	33.4

¹Average of Weekly Measurements

TABLE 2

**SAN ELIJO JOINT POWERS AUTHORITY
SAN ELIJO WATER RECLAMATION FACILITY**

DIGESTER PERFORMANCE - 2000					
MONTH	DETENTION TIME (Days)	TEMPERATURE¹			
		DIGESTER 3	DIGESTER 3	DIGESTER 4	DIGESTER 4
		<i>(Degrees F)</i>	<i>(Degrees C)</i>	<i>(Degrees F)</i>	<i>(Degrees C)</i>
January	30	97.5	36.4	97.8	36.6
February	30	97.9	36.6	98.1	36.7
March	29	97.6	36.4	97.7	36.5
April	30	98.1	36.7	98.1	36.7
May	31	98.1	36.7	98.1	36.7
June	30	98.0	36.7	98.3	36.8
July	28	98.2	36.8	98.3	36.8
August	28	98.7	37.1	98.4	36.9
September	25	98.0	36.6	98.2	36.8
October	30	98.3	36.8	98.3	36.8
November	30	97.7	36.5	98	36.7
December	28	97.0	36.1	97.3	36.3

¹Average of Daily Measurements

TABLE 3

**SAN ELIJO JOINT POWERS AUTHORITY
SAN ELIJO WATER RECLAMATION FACILITY**

<u>VOLATILE SOLIDS REDUCTION - 2000</u>	
<u>MONTH</u>	<u>REDUCTION IN VOLATILE MATTER</u>
January	62%
February	62%
March	66%
April	68%
May	62%
June	61%
July	63%
August	65%
September	61%
October	63%
November	65%
December	67%

TABLE 4

**SAN ELIJO JOINT POWERS AUTHORITY
SAN ELIJO WATER RECLAMATION FACILITY**

U.S. EPA PART 503
BIOSOLIDS REGULATION MONITORING
MONTHLY RESULTS IN MG/KG (Dry Weight)

POLLUTANT	EPA TABLE 3 LIMIT	SE JPA CONCENTRATION - 2000											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
ARSENIC	41	NT	NT	4	NT	NT	ND	NT	NT	3	NT	NT	ND
CADMIUM	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	1200	ND	18	ND	ND	ND	24	24	27	33	32	NT	ND
COPPER	1500	536	554	443	524	677	580	509	552	657	648	592	649
LEAD	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURY	17	NT	NT	2	NT	NT	ND	NT	NT	5	NT	NT	3
MOLYBDENUM	18	NT	NT	10	NT	NT	11	NT	NT	12	NT	NT	11
NICKEL	420	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND
SELENIUM	36	NT	NT	10	NT	NT	13	NT	NT	9	NT	NT	ND
ZINC	2800	661	696	588	649	825	670	604	629	850	782	720	744
% SOLIDS		18.2	18.4	22.3	18.8	15.5	19.2	19.2	19.9	20.4	19.9	18.9	18.8

NT - NOT TESTED

ND - NONE DETECTED